

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 27 APR 2005

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To:

see form PCT/ISA/220

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/IB2005/000027

International filing date (day/month/year)
05.01.2005

Priority date (day/month/year)
15.01.2004

International Patent Classification (IPC) or both national classification and IPC
B41F9/06, B41F31/20, B41F9/10, B41F31/02

Applicant
KBA-GIORI S.A.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/IB2005/000027

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/IB2005/000027

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or
Industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Yes: Claims	1-20
	No: Claims	
Inventive step (IS)	Yes: Claims	
	No: Claims	1-20
Industrial applicability (IA)	Yes: Claims	1-20
	No: Claims	

2. Citations and explanations

see separate sheet

Re Item V.

1 Reference is made to the following documents:

- D1: US-A-4 428 291 (DOROW ET AL) 31 January 1984 (1984-01-31)
- D2: US-A-4 604 951 (ICHIKAWA ET AL) 12 August 1986 (1986-08-12)
- D3: EP-A-0 182 325 (ALBERT-FRANKENTHAL AG) 28 May 1986 (1986-05-28)
- D4: FR-A-1 259 111 (GUALTIERO GIORI) 21 April 1961 (1961-04-21)
- D5: US-B1-6 427 591 (SCHMID GOTTHARD) 6 August 2002 (2002-08-06)
- D6: US-A-5 372 644 (KOCHSMEIER ET AL) 13 December 1994 (1994-12-13)
- D7: US-A-4 516 496 (GIORI ET AL) 14 May 1985 (1985-05-14)

2 INDEPENDENT CLAIM 1

2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not inventive in the sense of Article 33(3) PCT.

Document D1 discloses (the references in parentheses applying to this document): an inking system for an intaglio printing machine (abstract), said inking system comprising at least a duct (40) for inking the surface of an engraved selective inking cylinder (39) which in turn inks the surface (37) of a plate cylinder (36) of the intaglio printing machine via a chablon roller (38) having reliefs (38a) corresponding to engravings (col. 4; lines 23-25) to be inked on said plate cylinder (36).

2.2 The subject-matter of claim 1 therefore differs from this known D1 in that: said inking system further comprises a wiping system for wiping the surface of said selective inking cylinder and recuperating the wiped ink in the duct.

2.3 The problem to be solved by the present invention may therefore be regarded as minimise the amount of ink left on the non engraved area of the screened cylinder.

2.4 The solution proposed in claim 1 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT) for the following reasons:
Document D2 discloses (the references in parentheses applying to this document) an inking system suitable for a printing machine, said inking system comprising at least a duct (13,14) and a duct roller (2) for inking the surface of an engraved selective inking cylinder (5) which in turn inks the surface of a plate cylinder (3) of the intaglio printing

machine via a form roller (4) wherein said inking system further comprises a wiping system (8,9) for wiping the surface of said screened cylinder (5) and recuperating the wiped ink in the duct (figure 1; col. 5, lines 21-32).

Feature "wiping system" is described in document D2 as providing the same advantages as in the present application. The skilled person would therefore regard it as a normal option to include this feature in the inking system described in document D1 in order to solve the problem posed.

2.5 Claim 1 is also not inventive in view of the documents D3 and D4.

3 DEPENDENT CLAIMS 2-20

3.1 Dependent claims 2 to 20 do not seem to contain any additional feature which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT). All these features are known per se or form part of the prior art used for the corresponding purpose (see the International search report). Furthermore these features concern only constructional developments solving independent problems without producing any surprising effect which would result from their combination.

- D2 discloses a duct roller (2) [claim 2]. It seems obvious this roller can be coated with hard plastic or rubber [claim 3].

- An ink chamber for providing ink to the inking cylinder is an equivalent feature to a duct roller and is well known for the skilled person [claims 4-5] (see D5).

- All technical features (engraved plate, wiping roller, scraping blade, independent drive...) are only constructional feature details and can be chosen from the inking prior art knowledges without producing any surprising effect [claims 6-13] (see D6).

- D7 discloses a collector (3) suitable to be used in the printing machine of D1-D2 [claim 14].

- D4 discloses a transfer cylinder suitable for the inking system of D1 [claim 15].

- Document D1 is adapted to leave a slight amount of ink on non-engraved areas of the inking cylinder (5) [claim 16].

- Features of claims 17-20 are implicit or obvious from the prior art.

**WRITTEN OPINION OF THE
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AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/IB2005/000027
